



Australian Government

Department of Education, Employment and Workplace Relations

ICPSP382C Produce computer image for screen printing

Revision Number: 1

ICPSP382C Produce computer image for screen printing

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit describes the performance outcomes, skills and knowledge required to generate electronic art to a supplied layout film positive or computer cut stencil.
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Application of the Unit

Application of the unit	This unit requires the individual to generate electronic art to a supplied layout film positive or computer cut stencil.
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Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for scanning	1.1. The original is scaled to conform to job specifications 1.2. The original is assessed to determine scanner settings 1.3. The original is cleaned and correctly mounted according to job specifications 1.4. The correct settings are selected for the original to be scanned
2. Scan and check the image	2.1. The original is scanned according to quality requirements 2.2. The quality of the scanned image is checked for conformance to the job specifications 2.3. The appropriate software is applied for any processing of text if necessary
3. Prepare the combining strategy	3.1. The required data from electronic files is accessed 3.2. The appropriate application is opened to undertake combining tasks 3.3. The required fonts are accessed according to job specifications
4. Combine data	4.1. Page layout size is created according to job specifications 4.2. Elements are placed in the page according to job specifications 4.3. Trapping (spread and chokes) is applied according to job specifications 4.4. Step and repeat function is accessed according to job specifications 4.5. Elements are stepped according to job specifications 4.6. The output menu is configured according to job specifications
5. Access and maintain the output device	5.1. Output devices are set up and maintained according to manufacturer's/supplier's specifications and enterprise procedures 5.2. Suitable material is identified and loaded into the output device
6. Output the image	6.1. The system is activated to initiate the output according to job specifications 6.2. Quality is monitored according to enterprise procedures

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- OHS in relation to operating machinery such as safely switching off machinery before cleaning is started
- communication of ideas and information by interpreting the job specifications
- collecting, analysing and organising information by scanning the image and combining it with data
- planning and organising activities by preparing the correct sequence of operations for the combining tasks
- teamwork when maintaining the production process in association with others
- mathematical ideas and techniques by working with layout size during combining data
- problem-solving skills by maintaining quality standards during the production process
- use of technology by using relevant hardware and software to produce computer images for screen printing

Required knowledge

- tolerance that is allowed when scaling the original
- common scanner DPI for graphic line images
- use of original angling
- resolution that is used for optical character recognition in scanning
- format that the scan is saved in
- retaining format when OCR scanning
- access to external files
- most appropriate software for this combining task
- procedure if required files are not readily accessible
- responsibility for determines the page layout size
- type of elements that can be used
- application of trapping
- amount of step and repeats in a job
- first step in configuring the output menu
- type of output devices used in screen printing
- range of substrates that are used in output devices
- filing the file prior to the output device
- checks made of techniques used to maintain quality standards

Evidence Guide

EVIDENCE GUIDE

The Evidence Guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Evidence of the following is essential:

- scan, electronically combine and attribute outputs to designated devices according to job specifications and client standards
- produce TWO separate images on film and /or stencil according to manufacturer's and job specifications, enterprise procedures and the listed Performance Criteria
- for valid and reliable assessment of this unit, evidence should be gathered over a period of time through a range of methods for assessment to indicate consistent performance
- evidence for assessment may be gathered from assessment of the unit of competency alone or through an integrated assessment activity.

Context of and specific resources for assessment

Assessment must ensure:

- assessment may take place on the job, off the job or a combination of both of these. Off the job assessment must be undertaken in a closely simulated workplace environment
- access to appropriate equipment and materials.

Method of assessment

A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit:

- direct questioning combined with review of portfolios of evidence and third party workplace reports of on-the-job performance by the candidate.

Guidance information for assessment

Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended

Range Statement

RANGE STATEMENT	
The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.	
<i>Original</i> may include:	line graphic or text.
<i>Job specifications</i> may include:	job sheets, work tickets or processing orders.
<i>Elements</i> may include:	text, headings, rules, pictures, graphics, tints, vignettes, components and shapes.
<i>Material</i> may include:	electronic storage, film, papers, fabric or other substrates.

Unit Sector(s)

Unit sector	
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Competency field

Competency field	Screen Printing
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Co-requisite units

Co-requisite units		